WE CLAIM:

- 1. A tolerogenic dendritic cell comprising an oligodeoxyribonucleotide having one or more NF-κB binding sites.
- 2. The tolerogenic dendritic cell of claim 1 wherein the oligodeoxyribonucleotide sequence has two NF-κB binding sites.
- 3. The tolerogenic dendritic cell of claim 1 wherein the oligodeoxyribonucleotide has the sequence set forth by SEQ ID NO:1.
 - 4. The tolerogenic dendritic cell of claim 1 further comprising a viral vector.
- 5. The tolerogenic dendritic cell of claim 4 wherein the viral vector is derived from a virus selected from the group consisting of adenovirus, adeno-associated virus, retrovirus and herpes virus.
- 6. The tolerogenic dendritic cell of claim 5 wherein the viral vector is derived from adenovirus.

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- 7. A method of producing a tolerogenic dendritic cell comprising (a) propagating immature dendritic cells from a mammalian donor, (b) incubating the dendritic cells with an oligodeoxyribonucleotide having at least one NF-κB binding site under conditions wherein the dendritic cells internalize the oligodeoxyribonucleotide, and (c) culturing said dendritic cells.
- 8. The method of claim 7 wherein the oligodeoxyribonucleotide has the sequence set forth in SEQ ID NO:1.
- 9. The method of claim 7 further comprising incubating the dendritic cells in the presence of one or more cytokines.
 - 10. The method of claim 9 wherein the cytokine is GM-CSF.
- 11. The method of claim 9 further comprising incubating the dendritic cells in the presence of TGF- β .
- 12. The method of claim 7 further comprising infecting said tolerogenic dendritic cells with a viral vector.

- 13. The method of claim 12 wherein the viral vector is derived from a virus selected from the group consisting of adenovirus, adeno-associated virus, retrovirus and herpes virus.
- 14. The method of claim 13 wherein the viral vector is derived from adenovirus.
- 15. A method for enhancing tolerogenicity in a mammalian host comprising (a) propagating immature dendritic cells from a mammalian donor, (b) incubating the dendritic cells with an oligodeoxyribonucleotide having at least one NF-κB binding site under conditions wherein the dendritic cells internalize the oligodeoxyribonucleotide (c) culturing said dendritic cells, and (d) administering said tolerogenic dendritic cells to said host.
- 16. The method of claim 15 wherein the oligodeoxyribonucleotide has the sequence set forth in SEQ ID NO:1.
- 17. The method of claim 15 further comprising incubating said dendritic cells in the presence of one or more cytokines.
 - 18. The method of claim 17 wherein the cytokine is GM-CSF.

- 19. The method of claim 16 further comprising incubating said dendritic cells in the presence of TGF-β.
- 20. The method of claim 15 further comprising infecting said tolerogenic dendritic cells with a viral vector before administering the cells to said host.
- 21. The method of claim 20 wherein the viral vector is derived from a virus selected from the group consisting of adenovirus, adeno-associated virus, retrovirus and herpes virus.
- 22. The method of claim 21 wherein the viral vector is derived from adenovirus.
- 23. The method of claim 15 further comprising administering FK 506 to the host.
- 24. The method of claim 15 further comprising administering cyclosporine A to the host.

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- 25. The method of claim 15 further comprising administering FK 506 and cyclosporine A to the host.
- 26. The method of claims 15, and 20 wherein the tolerogenic dendritic cells are administered to the host intravenously.
 - 27. The method of claim 15 wherein the host is a transplant host.
- 28. The method of claim 15 wherein the host has an inflammatory related disease.
 - 29. The method of claim 28 wherein the host has arthritis.
- 30. A kit for enhancing tolerogenicity in a mammalian host comprising tolerogenic dendritic cells which comprise an oligodeoxyribonucleotide having at least one NF- kB binding site.
- 31. The kit of claim 30 wherein the oligodeoxyribonucleotide has the sequence set forth in SEQ ID NO:1.

- 32. The kit of claim 30 wherein the tolerogenic dendritic cells further comprise a viral vector.
- 33. The kit of claim 32 wherein the viral vector is derived from a virus selected from the group consisting of adenovirus, adeno-associated virus, retrovirus and herpes virus.
 - 34. The kit of claim 33 wherein the viral vector is derived from adenovirus.
- 35. A method for treating diabetes in a mammalian host comprising administering to said host dendritic cells comprising an oligodeoxyribonucleotide having at least one NF-κB binding site.
- 36. The method of claim 35 wherein the oligodeoxyribonucleotide has two NF-κB binding sites.
- 37. The method of claim 36 wherein the oligodeoxyribonucleotide has the sequence set forth by SEQ ID NO:1.
- 38. A method for treating diabetes in a mammalian host comprising (a) propagating immature dendritic cells from a mammalian donor, (b) incubating the dendritic cells with an oligodeoxyribonucleotide having at least one NF-κB binding site under conditions

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wherein the dendritic cells internalize the oligodeoxyribonucleotide (c) culturing said dendritic cells, and (d) administering said tolerogenic dendritic cells to said host.

- 39. The method of claim 38 wherein the oligodeoxyribonucleotide has two NF-κB binding sites.
- 40. The method of claim 39 wherein the oligodeoxyribonucleotide has the sequence set forth by SEQ ID NO:1.
- 41. A tolerogenic dendritic cell comprising an oligodeoxyribonucleotide having the sequence set forth by SEQ ID NO:1
- 42. The tolerogenic dendritic cell of claim 41 further comprising an adenovirus vector.
- 43. A method of producing a tolerogenic dendritic cell comprising (a) propagating immature dendritic cells from a mammalian donor, (b) incubating the dendritic cells with an oligodeoxyribonucleotide having the sequence set forth in SEQ ID NO:1 under conditions wherein the dendritic cells internalize the oligodeoxyribonucleotide, and (c) culturing said dendritic cells.

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- 44. The method of claim 43 further comprising incubating the dendritic cells in the presence of one or more cytokines.
 - 45. The method of claim 44 wherein the cytokine is GM-CSF.
- 46. The method of claim 44 further comprising incubating the dendritic cells in the presence of TGF- β .
- 47. The method of claim 43 further comprising infecting said tolerogenic dendritic cells with viral vector.
- 48. The method of claim 47 wherein the viral vector is derived from adenovirus.
- 49. A method for enhancing tolerogenicity in a mammalian host comprising (a) propagating immature dendritic cells from a mammalian donor, (b) incubating the dendritic cells with an oligodeoxyribonucleotide having the sequence set forth in SEQ ID NO:1 under conditions wherein the dendritic cells internalize the oligodeoxyribonucleotide (c) culturing said dendritic cells, and (d) administering said tolerogenic dendritic cells to said host.

- 50. The method of claim 49 further comprising incubating said dendritic cells in the presence of one or more cytokines.
 - 51. The method of claim 50 wherein the cytokine is GM-CSF.
- 52. The method of claim 50 further comprising incubating said dendritic cells in the presence of TGF- β .
- 53. The method of claim 49 further comprising infecting said tolerogenic dendritic cells with a viral vector before administering the cells to said host.
- 54. The method of claim 53 wherein the viral vector is derived from adenovirus.
- 55. The method of claim 49 further comprising administering FK 506 to the host.
- 56. The method of claim 49 further comprising administering cyclosporine A to the host.

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- 57. The method of claim 49 further comprising administering FK 506 and cyclosporine A to the host.
- 58. The method of claim 49 wherein the tolerogenic dendritic cells are administered to the host intravenously.
 - 59. The method of claim 49 wherein the host is a transplant host.
 - 60. The method of claim 15 wherein the host has Type I diabetes.
 - 61. The method of claim 49 wherein the host has Type I diabetes.
 - 62. The method of claim 49 wherein the host has arthritis.
- 63. A kit for enhancing tolerogenicity in a mammalian host comprising tolerogenic dendritic cells which comprise an oligodeoxyribonucleotide having the sequence set forth in SEQ ID NO:1.
 - 64. The kit of claim 63 further comprising a viral vector.

- 65. The kit of claim 64 wherein the viral vector is derived from adenovirus.
- 66. A method for treating diabetes in a mammalian host comprising administering to said host dendritic cells comprising an oligodeoxyribonucleotide having the sequence set forth in SEQ ID NO:1.
- 67. A method for treating diabetes in a mammalian host comprising (a) propagating immature dendritic cells from a mammalian donor, (b) incubating the dendritic cells with an oligodeoxyribonucleotide having the sequence set forth in SEQ ID NO:1 under conditions wherein the dendritic cells internalize the oligodeoxyribonucleotide (c) culturing said dendritic cells, and (d) administering said tolerogenic dendritic cells to said host.